PHYSICAL ACTIVITY ZONES
1. Slate + Grass Piazza
2. Gymnasia + Fitness Rooms
3. K-2 Play Terrace + Water Station
4. 3-5 Play Terrace + Water Station
5. Tot Lot Natural Play Area
6. Eco-Walks / Jogging Paths
7. Recreational Sport Fields
8. Open Play Area + Grass Surface
9. Community Room
10. K-2 Exercise + Meditation Loop
11. 3-5 Exercise + Meditation Loop
12. Woodland Hub
13. Monumental Slate Stair
14. Weekend + Off Peak Bicycle Loops

FOODSMART KIDS® ZONES
1. Dining Commons + Food Lab
2. Teaching Kitchen Lab
3. Kitchen Gardens
4. Edible Community Gardens
5. Great Lawn + Grab-n-Go Berry Patch
6. Fruit Tree Allée
7. Nut Tree Circle
8. Compost Demonstration Garden
9. Picnic Knoll
10. Outdoor Dining + Garden Classroom

ECO-ACTIVITY ZONES
1. Bioswales + Cleansing Biotopes
2. Slate Channel + Waterfall Scupper
3. River Rock Stream + Native Meadow
4. Frog Bog + Observation Deck
5. K-2 Science Garden
6. Arts Terrace + Garden Courtyard
7. Sonata Terrace + Garden Courtyard
8. Pollinator Bee + Bug Garden
9. Pervious Parking Garden

SUSTAINABLE STRATEGIES
reNEW, reUSE, reINVEST

1954
10 years
1962
50 years
2012
50 years
HEALTHY EATING DESIGN GUIDELINES FOR SCHOOL ARCHITECTURE©

1. PROVIDE equipment and spaces that facilitate the incorporation of fresh and healthy food choices into the school and its community.

2. PROVIDE facilities to directly engage the school community in food production and preparation.

3. APPLY evidence- and theory-based behavioral science principles to 'nudge' the school community towards healthy-eating behaviors and attitudes.

4. USE building and landscape features to promote awareness of healthy and sustainable food practices.

5. CONCEIVE and articulate school spaces as community assets to multiply the benefits of school-based healthy food initiatives.

A NEW DIRECTION IN DESIGN FOR FOODSMART KIDS™
ELEMENTARY SCHOOL_CORRIDOR TRANSFORMATION

SUSTAINABLE STRATEGIES

3  4  5
VIRGINIA WETLANDS  VIRGINIA RIVERS  VIRGINIA OCEAN

FINDING YOUR WAY
GRADE LEVELS BY VIRGINIA ECO-REGIONS
Navigating through the grades of Buckingham Primary & Elementary Schools is just like traveling through the landscape of Virginia!

PRIMARY SCHOOL
• Grades K-2
• Virginia Land Eco-regions
• Warm Colors

ELEMENTARY SCHOOL
• Grades 3-5
• Virginia Water Eco-regions
• Cool Colors

Look for your grade icon and learn about the Virginia eco-regions!
PRIMARY SCHOOL CORRIDOR TRANSFORMATION

SUSTAINABLE STRATEGIES

WOODLAND HUB, HEART OF THE SCHOOL

ORIGINAL ENTRY

CAVE

DEN

DAYLIGHT HARVESTING

K 1 2

VERTERIA MOUNTAINS VERGINIA FORESTS VERGINIA PHARIES

FINDING YOUR WAY

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K 1 2

VIRGINIA MOUNTAINS

VIRGINIA FORESTS

VIRGINIA PHARIES

VIRGINIA WOODLANDS

VIRGINIA WETLANDS

VIRGINIA RIVERS

VIRGINIA OCEAN

3 4 5

PRIMARY SCHOOL: VIRGINIA LAND ECO-REGIONS

PRIMARY SCHOOL: VIRGINIA WATER ECO-REGIONS

CORRIDOR BEFORE [1962-2002]

CORRIDOR AFTER_TREE CANOPY PLATFORM

NATIVE WOOD SPECIES
FINDING YOUR WAY
GRADE LEVELS BY VIRGINIA ECO-REGIONS
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• Grades 3-5
• Virginia Water Eco-regions
• Cool Colors

Look for your grade icon and learn about the Virginia eco-regions!

K 1 2
VIRGINIA MOUNTAINS VIRGINIA FORESTS VIRGINIA PRAIRIES

Navigating through the grades of Buckingham Primary & Elementary Schools is just like traveling through the landscape of Virginia!

**PRIMARY SCHOOL**
- Grades K-2
- Virginia Land Eco-regions
- Warm Colors

**ELEMENTARY SCHOOL**
- Grades 3-5
- Virginia Water Eco-regions
- Cool Colors

Look for your grade icon and learn about the Virginia eco-regions!

**FACTOIDS**
- **THE EDIBLE GARDEN**
  - Fruits contain seeds. Seeds grow into plants. Plants need water and sunlight, so they turn into food that we eat!

- **THERMAL INSULATION**
  - The walls and roof of your school are insulated to keep the heat in winter and the heat out in summer.

- **EAT HEALTHY TO HYDRATE!**
  - You get water not only from drinking water but also from the foods you eat. Fresh fruits and vegetables provide a healthy source of water for your body!

- **YOUR HEALTHY PLATE!**
  - Eating balanced meals is key to good health.

- **HEALTHY HEART!**
  - Walking up stairs burns 0.5 calories of energy per minute. Using stairs burns twice the amount of calories than walking!

- **STRIPE SKUNK!**
  - Skunks are natural enemies who eat insects, snails, grasshoppers, and caterpillars. A Skunk can toss a liquid spray of 2 to 3 feet! When threatened, it will raise its tail and carry the liquid spray up to 12 feet! If you are bit, it’s best to remain calm!